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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Rüdiger SIEMENS et al DOCKET NO.: P06,0176  
SERIAL NO.: 10/581,502  
FILED: June 2, 2006  
INVENTION: **METHOD AND SYSTEM FOR PROCESSING PRINT DATA OF  
AT LEAST ONE PRINT PAGE**

**MAIL STOP PCT**

Commissioner for Patents,  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

**SUBMITTAL OF ENGLISH TRANSLATION OF INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

S I R:

Enclosed herewith is an English translation of the International Preliminary  
Examination Report.

Respectfully submitted,

 (Reg. No. 27,841)

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BRETT A. VALIQUET

From the INTERNATIONAL BUREAU

**PCT**

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY  
(CHAPTER I OR CHAPTER II  
OF THE PATENT COOPERATION TREATY)  
(PCT Rules 44bis.3(c) and 72.2)

To:

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81634 München  
ALLEMAGNE

**EINGEGANGEN**

21. Nov. 2006

Erled. ....

Date of mailing (day/month/year) 16 November 2006 (16.11.2006)	
Applicant's or agent's file reference 2003-1201 P	IMPORTANT NOTIFICATION
International application No. PCT/EP2004/014042	International filing date (day/month/year) 09 December 2004 (09.12.2004)
Applicant OCE PRINTING SYSTEMS GmbH et al	

## 1. Transmittal of the translation to the applicant.

☐

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).

☒

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

## 2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

KR

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

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## 3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  Agnes Wittmann-Regis
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# TRANSLATION

## PATENT COOPERATION TREATY

# PCT

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>2003-1201 P</b>	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. <b>PCT/EP2004/014042</b>	International filing date (day/month/year) <b>09.12.2004</b>	Priority date (day/month/year) <b>09.12.2003</b>
International Patent Classification (IPC) or national classification and IPC <b>G06K15/00, G06F17/21</b>		
Applicant <b>OCE PRINTING SYSTEMS GmbH</b>		

<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>7</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of <u>10</u> sheets, as follows:</p> <p><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>																									
<p>4. This report contains indications relating to the following items:</p> <table border="0"> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. I</td> <td>Basis of the report</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>		<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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<input type="checkbox"/>	Box No. VIII	Certain observations on the international application																							

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/014042

Box No. I

Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language \_\_\_\_\_ which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1, 3-19 \_\_\_\_\_ as originally filed/furnished
- pages\* 2, 2a, 2b \_\_\_\_\_ received by this Authority on 10.10.2005 with letter of 10.10.2005
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the claims:
- nos. \_\_\_\_\_ as originally filed/furnished
- nos.\* \_\_\_\_\_ as amended (together with any statement) under Article 19
- nos.\* 1-25 \_\_\_\_\_ received by this Authority on 10.10.2005 with letter of 10.10.2005
- nos.\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the drawings:
- sheets 1/8-8/8 \_\_\_\_\_ as originally filed/furnished
- sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (specify): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (specify): \_\_\_\_\_
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (specify): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (specify): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/014042

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims	1-13, 21	YES
	Claims	14-20, 22-25	NO
Inventive step (IS)	Claims	1-13	YES
	Claims	14-25	NO
Industrial applicability (IA)	Claims	1-25	YES
	Claims		NO

## 2. Citations and explanations (Rule 70.7)

## 1. Reference is made to the following documents:

D1: WO 03/025713 A (A. B. DICK COMPANY; DEXTER, BRIAN; ELLIS, CHARLES; HEARTBERG, MERVET; W)  
27 March 2003 (2003-03-27)

D2: EP-A-1 133 159 (RISO KAGAKU CORPORATION)  
12 September 2001 (2001-09-12)

D3: JP 10 105348 A (CANON INC)  
24 April 1998 (1998-04-24)

D4: JP 11 196285 A (CANON INC)  
21 July 1999 (1999-07-21)

D5: US 2002/057443 A1 (WATANABE YOSHIO)  
16 May 2002 (2002-05-16)

D6: WO 01/77805 A (OCE PRINTING SYSTEMS GMBH; SCHWIER, HARTWIG)  
18 October 2001 (2001-10-18).

## 2. INDEPENDENT CLAIMS 14 AND 24

The present application fails to satisfy the requirements of PCT Article 33(1) because the subject matter of claims 14 and 24 lacks novelty (PCT Article 33(2)).

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Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

2.1 Document D1 (see paragraphs 37-39) discloses:

a method for the processing of print data from at least one printed page, according to which method a print data stream with print data from one printed page is generated and first object properties are assigned to at least one region of said printed page;

the print data are processed, image data from said region are determined and a preset graphics format is assigned to said image data (paragraph 41);,

and

the image data is further processed according to the preset graphics format.

The subject matter of claim 14 therefore lacks novelty (PCT Article 33(2)).

The subject matter of claim 14 also lacks novelty in the light of D6 (see page 7, line 37 to page 8, line 26 and page 12, line 36 to page 13, line 6).

With regard to the feature concerning the assignment of a preselected graphics format, document D2 describes the same advantages as those according to the present application. A person skilled in the art would therefore regard the incorporation of said feature into the method described in D6 to be standard procedure for solving the problem of interest.

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## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

In consequence, the subject matter of claim 14 also fails to involve an inventive step (PCT Article 33(3)).

- 2.2 The same arguments apply likewise in respect of independent claim 24 since documents D1, D2 and D6 also describe a similar system that is suitable for carrying out the method according to claim 14.

Thus, the subject matter of claim 24, likewise, lacks novelty (PCT Article 33(2)) and fails to involve an inventive step (PCT Article 33(3)).

3. Dependent claims 15-23 and 25 contain no features which, combined with the features of any claim to which they refer, meet the PCT requirements for novelty and/or inventive step (see documents D1, D2, D3, D4, D5 and the relevant passages cited in the search report).

4. Although claims 1 and 14, on the one hand, and claims 11, 12 and 24, on the other hand, are drafted as separate independent claims, they seem in fact to relate to the same subject matter, the only apparent difference being in the definition of the subject matter for which protection is sought.

The claims are therefore not concise and fail to satisfy the requirements of PCT Article 6.

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## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

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Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

5. Document D1 is considered to be the prior art closest to the subject matter of claim 1. Said document discloses a method for the processing of print data, the subject matter of claim 1 differing therefrom by virtue of the selection of a part-region of a printed page in a print data stream and the assignment of specific object properties to the selected part-region of each printed page of the data stream.

**The subject matter of claim 1 is therefore novel (PCT Article 33(2)).**

The problem addressed by the present invention can consequently be regarded as the need to simplify the assignment of object properties to part-regions of a plurality of printed pages.

The solution to the above problem, as proposed in claim 1 of the present application, involves an inventive step (PCT Article 33(3)):

the assignment of object properties to part-regions on each printed page is effected by a single assignment of object properties to one part of a region of printed page in a print data stream.

**The same arguments apply in a similar manner in respect of claims 11 and 12.**

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## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/014042

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

Claims 2-10 and 13 are dependent on claims 1 and 12 respectively and, in consequence, likewise satisfy the requirements of the PCT in respect of novelty and inventive step.